SUMMER CAMP 2020

WEEK-LONG CAMPS!
A SUMMER FULL OF FUN & LEARNING!
Your children are intelligent, creative, curious, and eager to try everything. Let them explore new ideas, develop new abilities, design, and make at Discovery World.

Whether you have a budding genius in 5th grade, a bored child who wants to express themselves, or a kid looking to have some fun, Discovery World Summer Camp is for them. Each camp has a unique and exciting theme. Come for one camp, or spend the whole summer with us!

We’ll see you this summer!

-- The Discovery World Education Team

Note to Families:

We Offer...

1st grade camps ......................... page 5
2nd and 3rd grade camps.......... pages 6-8
4th and 5th grade camps......... pages 9-12
6th - 8th grade camps............. pages 13-17

Grade requirement: Participants must be entering the required grade in the 2020-2021 school year. Thank you for understanding.

$320 members per week
$355 non-members per week

Special pricing for Learn to Sail Camps and Certified Crew Member Camps. See Page 4.

Extended Care

We offer extended, supervised care on a pre-registration basis. Our camp day begins at 9:30 AM and ends at 4:30 PM.

AM CARE SESSION:
8:00 AM – 9:10 AM $10 per session

PM CARE SESSION:
4:50 PM – 5:30 PM $5 per session

Advanced registration is required. Campers picked up after 5:30 PM will be charged an additional $5.00 for every 5 minutes. Any camper who needs to be dropped off at Discovery World before 9:10 AM or who will be picked up after 4:50 PM will need to register for extended care.

For tax information: The federal ID is 391691578
**PAYMENT**
Payment is due at the time of registration. Camps may not be held without payment.

**SCHOLARSHIPS**
Discovery World’s Access Fund provides scholarships based on financial need. For eligibility details or to apply for a scholarship, please visit discoveryworld.org/summercamp.

**REFUNDS AND RESCHEDULING**
All cancellations or reschedule requests must be made with the Reservations Department by phone or email, at least three (3) weeks in advance of the camp start date. Please contact 414.765.8625 or reservations@discoveryworld.org. Please note that camps are sold as a package and no prorated refund can be given for days that your camper does not attend.

Rescheduling requests made at least 3 weeks in advance of the camp start will be granted, **minus a $25 processing fee** (subject to availability).
Rescheduling requests made within 3 weeks of the camp start will not be granted.

**CANCELLATIONS**
Cancellations made 3 weeks in advance of the camp start date will receive a refund, **minus a $75 cancellation fee**.

Cancellations made within 3 weeks of the camp start date will not receive a refund.

Discovery World reserves the right to cancel a camp if it does not meet the minimum attendance threshold. In the event that fewer campers register than is required for a camp to take place, Discovery World will notify families at least two weeks before the camp start date. In this case, your child can attend an alternate camp at no additional fee (subject to availability) or receive a full refund.

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**To Register for Camp:**

**Online:** www.discoveryworld.org/summercamp

**Call:** Reservations Department 414.765.8625

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
CERTIFIED CREW MEMBER*
Week 2: June 22-26
Week 8: August 10-14

Limited to students entering 7th and 8th grades only.

$465 members • $500 non-members

Ahoy! Board the S/V Denis Sullivan, a re-creation of a 19th century schooner, and join the ship’s crew as you hone your sailing skills, swab the deck, hoist the sails, and learn what it takes to sail Lake Michigan. Campers will become crew members and learn how to operate the ship, monitor weather, study food chains, and explore the Great Lakes by ship. This camp will include one overnight stay on the S/V Denis Sullivan in the crew’s quarters on the Thursday of camp.

* There will be additional paperwork required for the camp due to the overnight stay. This will require sign-off from a doctor. Paperwork must be submitted 2 weeks prior to camp start.

LEARN TO SAIL
Week 4: July 6-10
Week 7: August 3-7
Week 8: August 10-14

Restricted to 8-11 year olds only.

$400/week

Discovery World and the Milwaukee Community Sailing Center (MCSC) are partnering to explore the world of sailing; including water safety, sail rigging and theory, basic maneuvers, and more. Campers will spend half the day sailing the waters of Lake Michigan and the other half exploring the science behind this pastime.

Note: Ability to swim at least 25 yards is required. Each child MUST submit a Swim Check Form to be completed by a certified lifeguard prior to camp start.

To Register for Camp:

Online: www.discoveryworld.org/summercamp
Call: Reservations Department 414.765.8625

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
PARTICIPANTS MUST BE ENTERING 1ST GRADE IN THE 2020-2021 SCHOOL YEAR.
Our early childhood camps are specifically designed for the developmental stages and active nature of our youngest campers. Our educators will lead 1st graders in science activities, exploration, and investigation!

Week 1: June 15-19
BUILD
Design a new city underwater, on a hill, or even a different planet. Build models of buildings, bridges, and more in this constructive camp!

Week 2: June 22-26
CHEMISTRY
Conduct science experiments designed for young and curious minds. Create color-changing reactions, experiment with slime, and learn about the chemical reactions seen every day in this explosive camp!

Week 3: June 29-July 3
ANIMALS
Discover creatures that live around the world, including your backyard! Find out the tricks that allow animals to hibernate, identify animal paw prints, create camouflage, and more in this wild camp!

Week 4: July 6-10
SPACE
Learn how rockets fly, create lunar landscapes, and find out about the tools needed for a mission to space. Blast off for fun in this out-of-this-world camp!

Week 5: July 20-24
FLIGHT
Birds, planes, and hot air balloons. Explore things that fly, and soar to new heights in this uplifting exploration camp!

Week 6: July 27-31
MOVE
Sliding, falling, and jumping. Use Newton’s laws and the power of you to explore forces and motion in this action-packed camp!

Week 9: August 17-21
ART & SCIENCE
Some of the most beautiful art is made by Nature. Create amazing patterns, shapes, and designs inspired by science in this colorful camp!

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
Participants must be entering 2nd or 3rd grade in the 2020-2021 school year.

Our early elementary camps appeal to the boundless curiosity and energy of young innovators and scientists. With more exploration time and a slower pace, second and third-grade campers have more opportunities to investigate and discover.

Week 1: June 15-19
BACKYARD SCIENCE
Your laboratory is as close as your own backyard! Learn about the animals that share our neighborhoods, make a weather station, use a magnifying glass to explore hidden worlds, and carry out other experiments you can continue to do back at home.

BUBBLE, POP, BANG!
Get ready for an explosion! Explore chemistry through experiments designed for young and curious minds as you create reaction bags, whip up some slime, discover liquids that won’t mix, and learn about everyday chemistry.

Week 2: June 22-26
FISH, FISH, FISH
Become an ichthyologist! Cast off and fish with the staff from the WI DNR Lakeshore State Park. Pet the animals in the Reiman Aquarium, investigate invasive species, and make your own fish art to take home as you explore some amazing underwater creatures.

ICKY SCIENCE
Explore the science of all things gross - from dissections to the chemistry of snot. Get ready to be astonished as you investigate scientific topics that will make your stomach churn and your skin crawl.

JR. ROBOTICS
Learn how to program and use different robots, including LEGO® Mindstorms® EV3 and Sphero SPRK+®, throughout the week to solve problems. Discover the difference between robot types, and work with a partner to try modifying one of our robots to complete a challenge.

Week 3: June 29-July 3
IT’S ELECTRIC
Spark your curiosity as you explore simple circuits and components such as batteries, breadboards, conductors, and insulators. Design and build flashlights, electromagnets, and other gadgets to charge your electrical knowledge.

JR. PRINTMAKER
Roll up your sleeves and get creative! Make block prints, explore screen printing, use natural artifacts to create unique shapes and textures, and even print using the sun in this introduction to printmaking.

MONSTER MAKERS
Get inspired by beasts real and mythical as you create a monster! Explore different materials as you design your monster costume, construct a habitat for your creature, and assemble a soft plushie version of your terrifying new friend.
Summer Camps for Grades 2-3

Week 4: July 6-10

JR. ROBOTICS
Learn how to program and use different robots, including LEGO® Mindstorms® EV3 and Sphero SPRK+®, throughout the week to solve problems. Discover the difference between robot types, and work with a partner to try modifying one of our robots to complete a challenge.

RACE TO SPACE
Get ready for blast off! Learn how astronauts prepare for life in space, find out how vehicles and space suits are constructed, and use what you know about planets and constellations to navigate our solar system.

SWEET SCIENCE
Explore the sweeter side of science. Discover the science and skill involved in candy making, learn how your taste buds work, and create incredible edible experiments throughout the week!

Allergy Note: Campers will use foods that may contain milk, egg, soy, sesame, and wheat. Campers may come into contact with items that have been handled in a facility that processes nuts. Please alert the Discovery World camp staff to any allergies at the time of registration.

Week 5: July 20-24

FIZZY FOODS
Become a carbonation chemist as you introduce bubbles to foods to make fantastic treats that fizzle and pop! Experiment with extracts to create the perfect flavor for a homemade bubbly drink, turn grapes and oranges into fizzy fruits, and make chocolate that pops in your mouth!

Allergy Note: Campers will use foods that may contain milk, egg, soy, sesame, and wheat. Campers may come into contact with items that have been handled in a facility that processes nuts. Please alert the Discovery World camp staff to any allergies at the time of registration.

SHIPS АHOY
Ahoy, new pirate recruits! Set course for adventure and find out what it takes to live a life at sea by learning how to navigate uncharted waters, keep your ship afloat, and decipher the markings on a map. Master these skills and the treasure be yarrrrrs!

Week 6: July 27-31

AMUSEMENT PARK SCIENCE
What keeps a roller coaster on the track? How does a carousel work? Discover what it takes to make loop-de-loops, twists, and drops exciting and safe. Explore the physics behind the fun as you design and build models of these thrill machines.

ICKY SCIENCE
Explore the science of all things gross — from dissections to the chemistry of snot. Get ready to be astonished as you investigate scientific topics that will make your stomach churn and your skin crawl.

MEDIEVAL SCIENCE
Hear ye, hear ye! The realm of Discovery World needs your aid! Use the knowledge of centuries past to complete a series of challenges. Design a castle to withstand a battle, construct a machine to lift a boulder, create a catapult, and mix potions and elixirs as you take a trip through time.
Week 7: August 3-7

BUILD BIG
Think big, plan big, and build... BIG! Learn how small structures and simple designs lead to larger-than-life skyscrapers across the world. Follow your imagination as you explore the world of building and construction on a grand scale.

FISH, FISH, FISH
Become an ichthyologist! Cast off and fish with the staff from the WI DNR Lakeshore State Park. Pet the animals in the Reiman Aquarium, investigate invasive species, and make your own fish art to take home as you explore some amazing underwater creatures.

JR. ROBOTICS
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MAGIC & ILLUSIONS
Sleight of hand, misdirection, and persuasion. Learn the secrets behind the tricks and hone your presentation skills by using techniques that blend science and illusion. Showcase your own magic during a camper-led show at the end of the week.

Week 8: August 10-14

DETECTIVE ACADEMY
You’re on the case! Put your knowledge and observation skills to the test as you examine fingerprints, scrutinize evidence, and decipher the crime scene. Solve a mysterious case at Discovery World, and learn how detectives unravel a mystery by gathering and interpreting clues.

SCIENCE SMORGASBORD
Experience the best of Discovery World in this exploratory science camp. Learn about circuitry, solve a crime, build a rocket, and more as you experience activities from our favorite camps.

SUPERHERO SCIENCE
Can you ever be as strong as Superman? Control things with your mind like Jean Grey? Heal as quickly as Wolverine? Learn about the science behind super powers, how far our bodies can go, and discover real creatures with powers we can only dream of.

Week 9: August 17-21

AMAZING HABITATS
Does it rain every day in the rainforest? How do penguin feet stay warm? Learn about climates, habitats, animals, and plants from around the world as you discover the most amazing ecosystems on Earth.

INSIDE YOU
Discover the fabulous things going on inside of you! Make a life-sized anatomy diagram, dissect an eyeball, and create a model of a cell as you learn about the basics of the human body.

MAD SCIENTIST
Spend the week learning how to use lab tools, materials, and chemicals to bring out the scientist in you. Experiment with reactions, explore acids and bases, and create a spectacle with dry ice. Showcase your new skills in a live science demo at the end of camp.
PARTICIPANTS MUST BE ENTERING 4TH OR 5TH GRADE IN THE 2020-2021 SCHOOL YEAR.

Our upper elementary school camps appeal to builders, creators, and explorers. From technology to the environment, campers can find a topic to hold their interest, while experiencing one-on-one interactions and hands-on activities.

Week 1: June 15-19

**Jr. Clothing Designer - Formerly Known as Jr. Fashion Designer**
Clothing trends have a way of coming back into popularity. Learn how professional designers constantly take old ideas and give them new, unique spins. Explore elements of style, get hands-on with professional tools, and refresh thrifted threads to build the next movement.

**Survival Challenge**
Focus on the human body and its limits to find out how to survive in any scenario. Learn to fish, design a paracord bracelet, and make a survival pack to take home. If you can think on your feet, be creative, and stay calm, you’ll survive the week!

**Techie Tricksters**
Use circuits and electronics in unusual ways. Design and make door alarms, paper speakers, circuits without wires, and a device to send secret communications to your friends. Leave with a handful of electronic gadgets that will make your room light up, buzz, and sound an alarm!

Week 2: June 22-26

**Design For Your Room**
Your bedroom is a blank canvas. We’ll help you make it your own. Use graphic design techniques, printmaking skills, and apply some chemistry to make custom pillows, personalized stickers, and interactive clothing. Let your style shine as you take all these pieces home!

**Jr. Architect**
Prepare yourself to become the next great architect! Carry out experiments to test the strength of shapes and forms, learn how to use them in architectural designs, and create your own models, designs, spaces, and much more!

**Science Smorgasbord**
Experience the best of Discovery World in this exploratory science camp. Learn about circuitry, solve a crime, build a rocket, and more as you experience activities from our favorite camps.

Week 3: June 29-July 3

**Hydro-Powered Machines**
Explore the science and physics behind hydraulic machines and how water power has been used for thousands of years. Create and build mini-machines, water blasters, and more as you harness the power and potential of water.

**LEGO® Robot Engineer**
Do you have what it takes to make a robot come to life? Work with a partner to build and program one of our LEGO® Mindstorms® EV3s to complete a series of challenges. Think creatively to problem solve as you take your robot building and programming skills to the next level.
MARINE BIOLOGIST
Explore marine and freshwater sciences and get up close with the creatures in the Reiman Aquarium! Learn about the science of SCUBA, get a close look into the anatomy of fish and other sea creatures through a dissection, and explore what it takes to care for underwater habitats.

Week 4: July 6-10
GET YOUR GREEN ON
Big or small, each of us can play a part in caring for our planet. Upcycle clothing into new items, make your own eco-safe products, discover how gardens can do more than just grow flowers, and learn about ways to lighten your environmental footprint. See you on the green team!

INTERGALACTIC DESIGN
To the moon and beyond! Grab your space helmet and let your creativity blast off as you design a home for a new planet, explore what it takes to colonize the galaxy, and learn about the problems real astronauts face in zero gravity.

ROCKET SCIENTIST
Design your own mission and explore the solar system as you engage in the science of space travel. Engineer rockets, conduct fuel chemistry experiments, and explore the principles of lift and thrust as you attempt to defy gravity.

LEARN TO SAIL (AGES 8-11 ONLY)
Discovery World and the Milwaukee Community Sailing Center (MCSC) are partnering to explore the world of sailing; including water safety, sail rigging and theory, basic maneuvers, and more. Campers will spend half the day sailing the waters of Lake Michigan and the other half exploring the science behind this pastime.

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.

Special pricing applies. See page 4 for details.

Note: Ability to swim at least 25 yards is required. Each child MUST submit a Swim Check Form to be completed by a certified lifeguard prior to camp start.

Week 5: July 20-24
ART IN NATURE
Calling all artists and explorers of nature! Let the environment inspire you as you explore media and art techniques – including drawing, printmaking, sculptures, and more. Create individual and collaborative art projects that make nature both the inspiration and the palette.

LEGO® ROBOT ENGINEER - GIRLS ONLY
Do you have what it takes to make a robot come to life? Work with a partner to build and program one of our LEGO® Mindstorms® EV3s to complete a series of challenges. Think creatively to problem solve as you take your robot building and programming skills to the next level.

SPY CENTRAL
Your mission: Uncover the science of spying! Agents will collect evidence, make spy gadgets, use escape and evasion techniques, and learn how to make and break secret codes. Report for duty and await further contact.
Week 6: July 27-31

JR. PHOTOGRAPHER
Learn to take pictures like a professional! Experiment with camera settings and photography strategies, edit with Adobe® Photoshop® Elements, take part in a photo scavenger hunt around Discovery World, and learn how to mat your work as you become a photography whiz!

MICROSCOPIC MARVELS
Small, but mighty! Microbes can survive almost anywhere, and do more than just make us sick. Investigate the unseen world of microorganisms, collect samples and examine them with microscopes, and learn how bacteria, amoebas, and fungi do amazing things from making our food to cleaning our clothes.

Week 7: August 3-7

CLAYMATION
Become the creative mind behind the camera. Discover what it takes to make a claymation video as you design and model characters, create a story, and use a camera to bring it to life! Each camper will have the opportunity to practice their photography and video techniques, and will take home a copy of their project.

IT’S A DISASTER
Tornadoes, earthquakes, lightning strikes — learn about the world’s most extreme weather conditions, why they happen, and their effects on planet Earth and the things we build. Discover what it takes to withstand high winds, absorb an earthquake, and survive a flood.

SPA CHEMISTRY
It takes a lot of work to relax! Learn how to make items like sugar scrubs, lotions, soaps, and more as you create a product line. Discover how to extract scents from objects, develop your brand, and test and tweak your product until it’s ready for the shelves!

LEARN TO SAIL (AGES 8-11 ONLY)
Discovery World and the Milwaukee Community Sailing Center (MCSC) are partnering to explore the world of sailing; including water safety, sail rigging and theory, basic maneuvers, and more. Campers will spend half the day sailing the waters of Lake Michigan and the other half exploring the science behind this pastime.

$ Special pricing applies. See page 4 for details.

Note: Ability to swim at least 25 yards is required. Each child MUST submit a Swim Check Form to be completed by a certified lifeguard prior to camp start.

Week 8: August 10-14

LEARN TO SAIL (AGES 8-11 ONLY)
Discovery World and the Milwaukee Community Sailing Center (MCSC) are partnering to explore the world of sailing; including water safety, sail rigging and theory, basic maneuvers, and more. Campers will spend half the day sailing the waters of Lake Michigan and the other half exploring the science behind this pastime.

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Note: Ability to swim at least 25 yards is required. Each child MUST submit a Swim Check Form to be completed by a certified lifeguard prior to camp start.

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
**JR. CLOTHING DESIGNER - FORMERLY KNOWN AS JR. FASHION DESIGNER**

Clothing trends have a way of coming back into popularity. Learn how professional designers constantly take old ideas and give them new, unique spins. Explore elements of style, get hands-on with professional tools, and refresh thrifted threads to build the next movement.

**LEGO® ROBOT ENGINEER**

Do you have what it takes to make a robot come to life? Work with a partner to build and program one of our LEGO® Mindstorms® EV3s to complete a series of challenges. Think creatively to problem solve as you take your robot building and programming skills to the next level.

**SURVIVAL CHALLENGE**

Focus on the human body and its limits to find out how to survive in any scenario. Learn to fish, design a paracord bracelet, and make a survival pack to take home. If you can think on your feet, be creative, and stay calm, you’ll survive the week!

**Week 9: August 17-21**

**CHEMIST IN THE KITCHEN**

Explore what food can become when mixed with a little bit of science. Discover the chemistry behind new food ideas and learn tricks used by chefs to modify ingredients, change textures, and create treats such as liquid nitrogen ice cream!

**Allergy Note:** Campers will use foods that may contain milk, egg, soy, sesame, and wheat. Campers may come into contact with items that have been handled in a facility that processes nuts. Please alert the Discovery World camp staff to any allergies at the time of registration.

**SPY CENTRAL**

Your mission: Uncover the science of spying! Agents will collect evidence, make spy gadgets, use escape and evasion techniques, and learn how to make and break secret codes. Report for duty and await further contact.

To Register for Camp:

Online: www.discoveryworld.org/sumercamp

Call: Reservations Department 414.765.8625

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
Our middle school camps appeal to creators, designers, and budding scientists. From photography to health sciences, campers can find a topic that supports their interests, while experiencing one-on-one interactions, hands-on activities, and in-depth projects.

Week 1: June 15-19

**CUSTOM SKATEBOARD***
Surf the sidewalk this summer! Screen print custom images on a blank deck, have your design laser cut into griptape, customize the trucks, and so much more in this design and build-based camp. This board will be yours to keep and unlike any other!

*Note: Additional $50 fee required for skateboard materials.

**FILMMAKER 101**
Rolling! Go behind-the-scenes to film and edit your own video with professional gear and video-editing software. Create a portable green screen to help you get creative, cover all angles of filmmaking techniques, and take home your short video project.

**READY, SET, CODE***
Want to make your world smarter? Learn the basics of programming and use sensors to delve into the world of coding. Use your newfound tech skills to create a project of your own design and take home your own Arduino microcontroller at the end of the week.

*Note: Additional $35 fee required for Arduino materials.

Week 2: June 22-26

**CERTIFIED CREW MEMBER (7th and 8th graders only)**
Ahoy! Board the S/V Denis Sullivan, a re-creation of a 19th century schooner, and join the ship’s crew as you hone your sailing skills, swab the deck, hoist the sails, and learn what it takes to sail Lake Michigan. Campers will become crew members and learn how to operate the ship, monitor weather, study food chains, and explore the Great Lakes by ship. This camp will include one overnight stay on the S/V Denis Sullivan in the crew’s quarters on Thursday, June 25, 2020.

*Special pricing applies. See page 4 for details.

**DIGITAL PHOTOGRAPHER***
Learn how to capture the perfect image with help from one of Discovery World’s professional photographers. Explore the basics of cameras and photography as you hit the streets around downtown Milwaukee. Learn how to edit, print, and matte your photos to build a collection.

*Note: Campers are welcome to bring their own cameras, but it is not required.

**SPA CHEMISTRY**
It takes a lot of work to relax! Learn how to make items like sugar scrubs, lotions, soaps, and more as you create a product line. Discover how to extract scents from objects, develop your brand, and test and tweak your product until it’s ready for the shelves!

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
UNDERWATER ROBOTICS*
Dive into the world of underwater robots. Learn about ROVs (Remotely Operated Vehicles) and their role in current science and discovery. Build and test your own ROV – from making the frame to soldering the control box. End the week by putting your own design to the test in an underwater environment before taking it home.

*Note: Additional $50 fee required for materials.

Week 3: June 29-July 3
ESCAPE!
Test your wits, problem-solving abilities, and creativity in this camp all about Escape Rooms! You’ll learn how to create and solve puzzles, recognize patterns, and work with your team to see if you can escape before the clock runs out!

FOOD SCIENTIST
Play with your food... using science! Learn how our senses affect our taste and ways they can be fooled, discover which foods we eat that are alive, and how to manipulate the properties of ingredients to create unbelievable foods.

Allergy Note: Campers will use foods that may contain milk, egg, soy, sesame, and wheat. Campers may come into contact with items that have been handled in a facility that processes nuts. Please alert the Discovery World camp staff to any allergies at the time of registration.

VIDEO GAME DESIGNER
What does it take to develop a video game? Learn the process of creating a game as you design a digital world, set up rules, add assets to your environment, and end with a playable game you can take home! Game on!

Week 4: July 6-10
360 PHOTO & VIDEO
You’ve seen them on YouTube, but what does it take to make a 360 video? Learn how to shoot, edit, and post content for multiple viewing platforms as you use Discovery World’s 360 cameras. Explore photo and video projects that use 360 technology, and share your project on VR Goggles for an end-of-week showcase.

AQUARIIST IN TRAINING
Get familiar with the processes that professional aquarists perform on a daily basis – from cleaning tanks to feeding fish! Meet Discovery World’s team of aquarists to learn about what it takes to maintain the Reiman Aquarium. Finish the experience by setting up a small aquarium to take home.

ROBOT GAMES
Build and pilot radio-controlled vehicles while learning about engineering, mechanics, and robot design. Begin by developing a unique game for robots to play, then work with others to construct and operate a kit-based robot. Compete with and against other robots to complete goals and win the match.

To Register for Camp:
Online: www.discoveryworld.org/summercamp
Call: Reservations Department 414.765.8625
Week 5: July 20-24

**CUSTOM ELECTRIC GUITAR**
Personalize your own electric guitar! Come up with a theme, create and screen print custom graphics, design images for a pick guard, and leave with a tuned instrument before the week is over. Work with our staff to assemble, wire, and customize your guitar to make it truly yours!

*Note: Additional $50 fee required for electric guitar materials.

**DR. FRANKENTRONICS**
Tired of inanimate stuffed animals? Remove all of that fluff, learn how to solder a circuit, add motors and lights, and bring them to life. You’ve never seen a stuffed animal like this before.

**INSIDE THE HUMAN BODY**
Explore the complexity of human anatomy from your muscles to your senses. Learn how your organs function, meet medical professionals, and tour a hospital as you discover the systems that allow your body to work as one smooth organism.

**VIDEO GAME DESIGNER - GIRLS ONLY**
What does it take to develop a video game? Learn the process of creating a game as you design a digital world, set up rules, add assets to your environment, and end with a playable game you can take home! Game on!

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Week 6: July 27-31

**EDIBLE ART**
Food that looks like art? Explore techniques used by culinary professionals and try your hand at mimicking the work of famous artists. Make edible stained glass, candy illustrations, and much more as you create fun treats that look almost too pretty to eat!

*Allergy Note:* Campers will use foods that may contain milk, egg, soy, sesame, and wheat. Campers may come into contact with items that have been handled in a facility that processes nuts. Please alert the Discovery World camp staff to any allergies at the time of registration.

**READY, SET, CODE - GIRLS ONLY**
Want to make your world smarter? Learn the basics of programming and use sensors to delve into the world of coding. Use your newfound tech skills to create a project of your own design and take home your own Arduino microcontroller at the end of the week.

*Note: Additional $35 fee required for Arduino materials.

**ROBOT GAMES**
Build and pilot radio-controlled vehicles while learning about engineering, mechanics, and robot design. Begin by developing a unique game for robots to play, then work with others to construct and operate a kit-based robot. Compete with and against other robots to complete goals and win the match.

**STRUCTURAL ENGINEER**
How do you design a building unlike any other? Create structures from materials both weak and strong, design bridges to span great distances, and build towers to withstand incredible force. Learn techniques from professionals and put your constructions to the test.
Week 7: August 3-7

FUTURE VETERINARIAN
Learn about animals from the inside out! Discover what it’s like to be a veterinarian and meet live animals as you learn to recognize the signs and symptoms of a sick versus healthy animal, conduct a simulated exam, and meet professionals in the field.

ROBOT GAMES - GIRLS ONLY
Build and pilot radio-controlled vehicles while learning about engineering, mechanics, and robot design. Begin by developing a unique game for robots to play, then work with others to construct and operate a kit-based robot. Compete with and against other robots to complete goals and win the match.

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Week 8: August 10-14

ADVANCED VIDEO GAME DESIGNER
Advanced Game Designer continues where Video Game Designer left off. Learn how 3D modeling can be used to create objects and characters, use the same software as the pros to create a level for a game, and find out how these skills can be used in careers outside of games.

CERTIFIED CREW MEMBER (7th and 8th graders only)
Ahoy! Board the S/V Denis Sullivan, a re-creation of a 19th century schooner, and join the ship’s crew as you hone your sailing skills, swab the deck, hoist the sails, and learn what it takes to sail Lake Michigan. Campers will become crew members and learn how to operate the ship, monitor weather, study food chains, and explore the Great Lakes by ship. This camp will include one overnight stay on the S/V Denis Sullivan in the crew’s quarters on Thursday, August 13, 2020.

CUSTOMIZED CLOTHING
Create something completely yours. This camp will take you through the full design and print process as you make designs meant for t-shirts, hats, and more! Develop a brand theme, try out unusual inks, and leave camp with one-of-a-kind items to add to your closet.

ESCAPE!
Test your wits, problem-solving abilities, and creativity in this camp all about Escape Rooms! You’ll learn how to create and solve puzzles, recognize patterns, and work with your team to see if you can escape before the clock runs out!

UNDERWATER ROBOTICS*
Dive into the world of underwater robots. Learn about ROVs (Remotely Operated Vehicles) and their role in current science and discovery. Build and test your own ROV – from making the frame to soldering the control box. End the week by putting your own design to the test in an underwater environment before taking it home.

*Note: Additional $50 fee required for materials.

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
Week 9: August 17-21

FILMMAKER 101
Rolling! Go behind-the-scenes to film and edit your own video with professional gear and video-editing software. Create a portable green screen to help you get creative, cover all angles of filmmaking techniques, and take home your short video project.

MAKERS GONNA MAKE
Your brain is filled with wonderful creations waiting to come alive. Use the design thinking process to dream up ideas, design, prototype, and test solutions to real and fantastical challenges. From problem to product, turn your ideas into reality.

READY, SET, CODE*
Want to make your world smarter? Learn the basics of programming and use sensors to delve into the world of coding. Use your newfound tech skills to create a project of your own design and take home your own Arduino microcontroller at the end of the week.

*Note: Additional $35 fee required for Arduino materials.

To Register for Camp:

Online: www.discoveryworld.org/summercamps
Call: Reservations Department 414.765.8625

Please visit DiscoveryWorld.org/SummerCamp for up-to-date camp offerings.
Can I register my child for a camp outside of their grade level? No. We strictly enforce age requirements. Your child must be the correct age or entering the correct grade level of the camp.

Will my child explore the museum during camp? Discovery World campers will be focused on learning about the topic they’ve signed up for each week in their private classroom. If there is a connection to the camp topic in the exhibits and/or extra time in the day, campers will explore the museum.

What if I need to cancel or change my summer camp reservation? Changes to summer camp reservations can be made up to 3 weeks in advance of the camp start. You can view the Discovery World Reservation Policy on page 3 of this brochure. Please note changes to your camp reservation may incur a $25 rescheduling fee or a $75 cancellation fee.

Is my child permitted to bring a cell phone or other electronic device to camp? To avoid devices becoming a distraction, we ask that all cell phones and electronic devices be turned off and stored away during camp hours, including lunch and recess times. If a camper is using an electronic device during camp hours, a Summer Camp staff member will hold on to the device until the end of the day. Campers who bring devices may choose to have their device safely secured in our electronics lock box during the camp day by speaking with a Summer Camp staff member.

What if I need to drop off my child late or pick up my child early from camp? We understand that your family has a busy schedule. We ask that you notify the Summer Camp staff by phone, email, or in person of the change in timing. When you drop your child off late, please accompany your child into the building and wait with them until they get checked in.

Please note: We are unable to accommodate any pick-ups between 3:45 pm and 4:30 pm. If you wish to pick up your child in the afternoon, you must do so by 3:45 pm or wait until the check-out procedure begins at 4:30 pm.
# Summer Camp at a Glance

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<td><strong>BUILD BIG</strong></td>
<td><strong>DETECTIVE ACADEMY</strong></td>
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<td><strong>INSIDE YOU</strong></td>
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**1st Grade Activities**
- Build Chemistry
- Animals
- Space
- Flight
- Move
- Art & Science

**2nd - 3rd Grade Activities**
- Backyard Science
- Fish, Fish, Fish
- It’s Electric
- Jr. Robotics
- Fizzy Foods
- Amusement Park Science
- Build Big
- Detective Academy
- Amazing Habitats
- Science Smorgasbord
- Inside You
- Medieval Science
- Jr. Robotics
- Superhero Science
- Mad Scientist
- Magic & Illusions

**4th - 5th Grade Activities**
- Jr. Clothing Designer
- Design for Your Room
- Hydro-Powered Machines
- Get Your Green On
- Art in Nature
- Lego® Robot Engineer
- Intergalactic Design
- Lego® Robot Engineer - Girls Only
- Microscopic Marvels
- It’s a Disaster
- Learn to Sail (Ages 8-11 Only)
- Spy Central
- Jr. Photographer
- Claymation
- Chemist in the Kitchen

**6th - 8th Grade Activities**
- Custom Skateboard
- Certified Crew Member (7th and 8th Graders Only)
- Escape!
- 360 Photo & Video
- Custom Electric Guitar
- Edible Art
- Future Veterinarian
- Certified Crew Member (7th and 8th Graders Only)
- Filmmaker 101
- Digital Photographer
- Food Scientist
- Aquarist in Training
- Dr. Frankentronics
- Ready, Set, Code - Girls Only
- Robot Games - Girls Only
- Advanced Video Game Designer
- Makers Gonna Make
- Ready, Set, Code
- Spa Chemistry
- Video Game Designer
- Robot Games
- Inside the Human Body
- Robot Games
- Video Game Designer
- Customized Clothing
- Ready, Set, Code
- Underwater Robotics
- Video Game Designer - Girls Only
- Structural Engineer
- Escape!
- Underwater Robotics